

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P563834

Luminaire Tested: **LD4C40D010 EX4C409030 4LBSQH**

Issue Date: 2/9/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P563834  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207151)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/9/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD4C40D010 EX4C409030 4LBSQH  
Description: 4 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 4LBSQ TRIM WITH H FINISH, DIM TO WARM  
Light Source: -  
Ballast/Driver: -

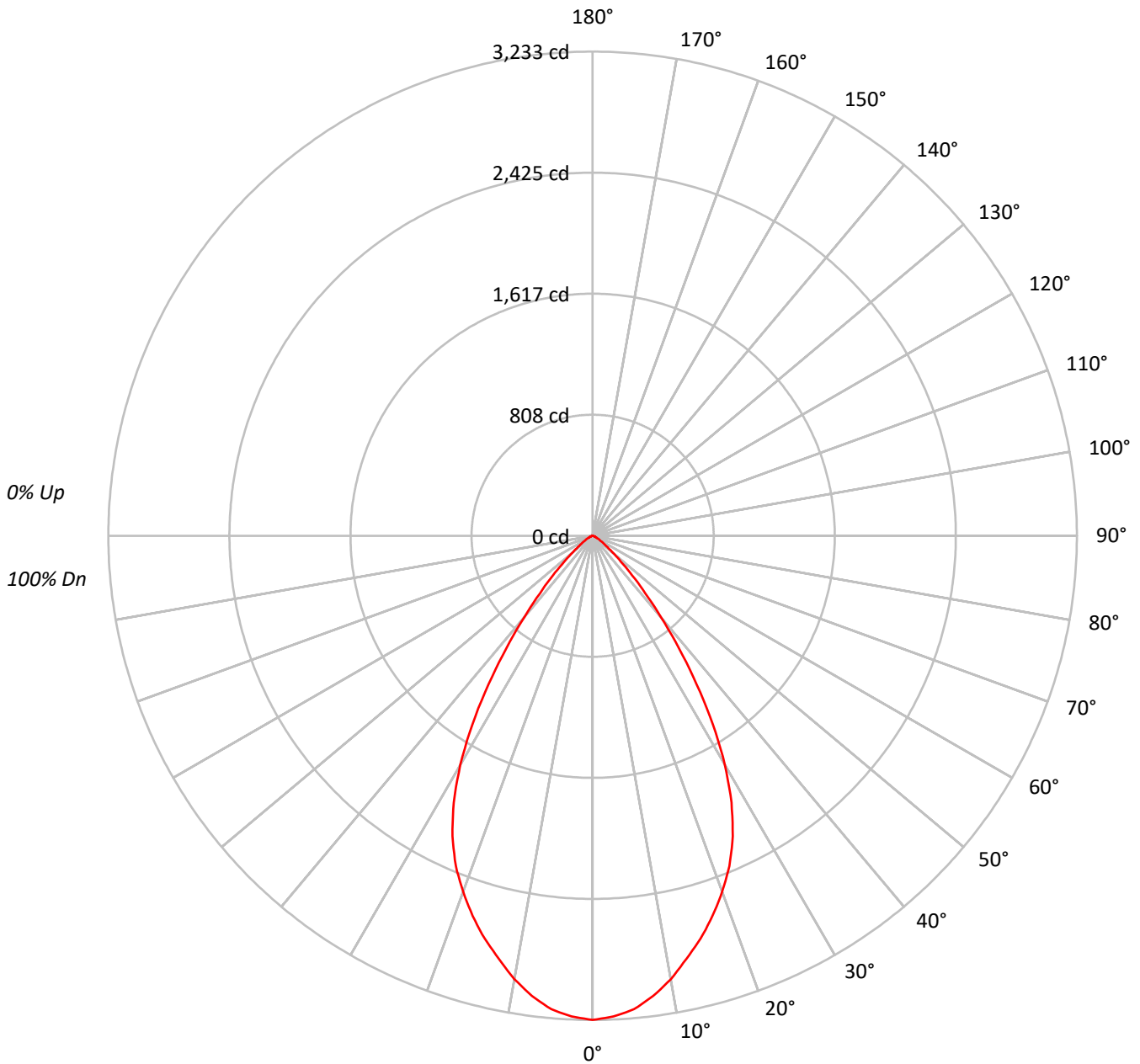
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3260.1 lumens  
Efficiency: N/A  
Efficacy: 69.4 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93  
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 47  
Input Voltage (V):  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80	79	79	79	79
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	73	73	73	73
5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67	67	67	67
6	86	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	64	62	62	62	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58	58	58	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54	54	54	54
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	52	50	50	50	50
10	69	59	53	49	68	59	53	49	58	52	49	57	52	48	56	52	48	47	47	47	47

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	311920
5°	307387
10°	294540
15°	278191
20°	259681
25°	235721
30°	196816
35°	142586
40°	89253
45°	51021
50°	26600
55°	14905
60°	9495
65°	5616
70°	4147
75°	1827
80°	2723
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	297.5	9.1
10°-20°	780.3	23.9
20°-30°	1002.9	30.8
30°-40°	754.6	23.1
40°-50°	303.0	9.3
50°-60°	86.2	2.6
60°-70°	27.3	0.8
70°-80°	7.8	0.2
80°-90°	0.7	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2080.7	63.8
0°-40°	2835.2	87.0
0°-60°	3224.4	98.9
0°-90°	3260.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3260.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3233	
5°	3174	297
15°	2785	780
25°	2214	1003
35°	1210	755
45°	374	303
55°	89	86
65°	25	27
75°	5	8
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3232.7
2.5°	3212.9
5°	3173.6
7.5°	3099.7
10°	3006.2
12.5°	2893.2
15°	2784.9
17.5°	2661.8
20°	2529.0
22.5°	2386.5
25°	2214.1
27.5°	2007.4
30°	1766.5
32.5°	1495.7
35°	1210.5
37.5°	944.7
40°	708.6
42.5°	521.5
45°	373.9
47.5°	255.9
50°	177.2
52.5°	123.1
55°	88.6
57.5°	64.0
60°	49.2
62.5°	34.5
65°	24.6
67.5°	19.7
70°	14.7
72.5°	9.9
75°	4.9
77.5°	4.9
80°	4.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)